

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120420\
 Data File : VD067880.D
 Acq On : 04 Dec 2020 12:30
 Operator : VA/SY
 Sample : L4939-01
 Misc : 7.46G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-02-12320

Quant Time: Dec 04 23:49:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	231219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	323191	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	289475	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	137845	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	119964	48.33	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.66%
35) Dibromofluoromethane	7.92	113	98308	45.46	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.92%
50) Toluene-d8	10.34	98	365306	46.92	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.84%
62) 4-Bromofluorobenzene	12.64	95	122554	45.53	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	91.06%

Target Compounds

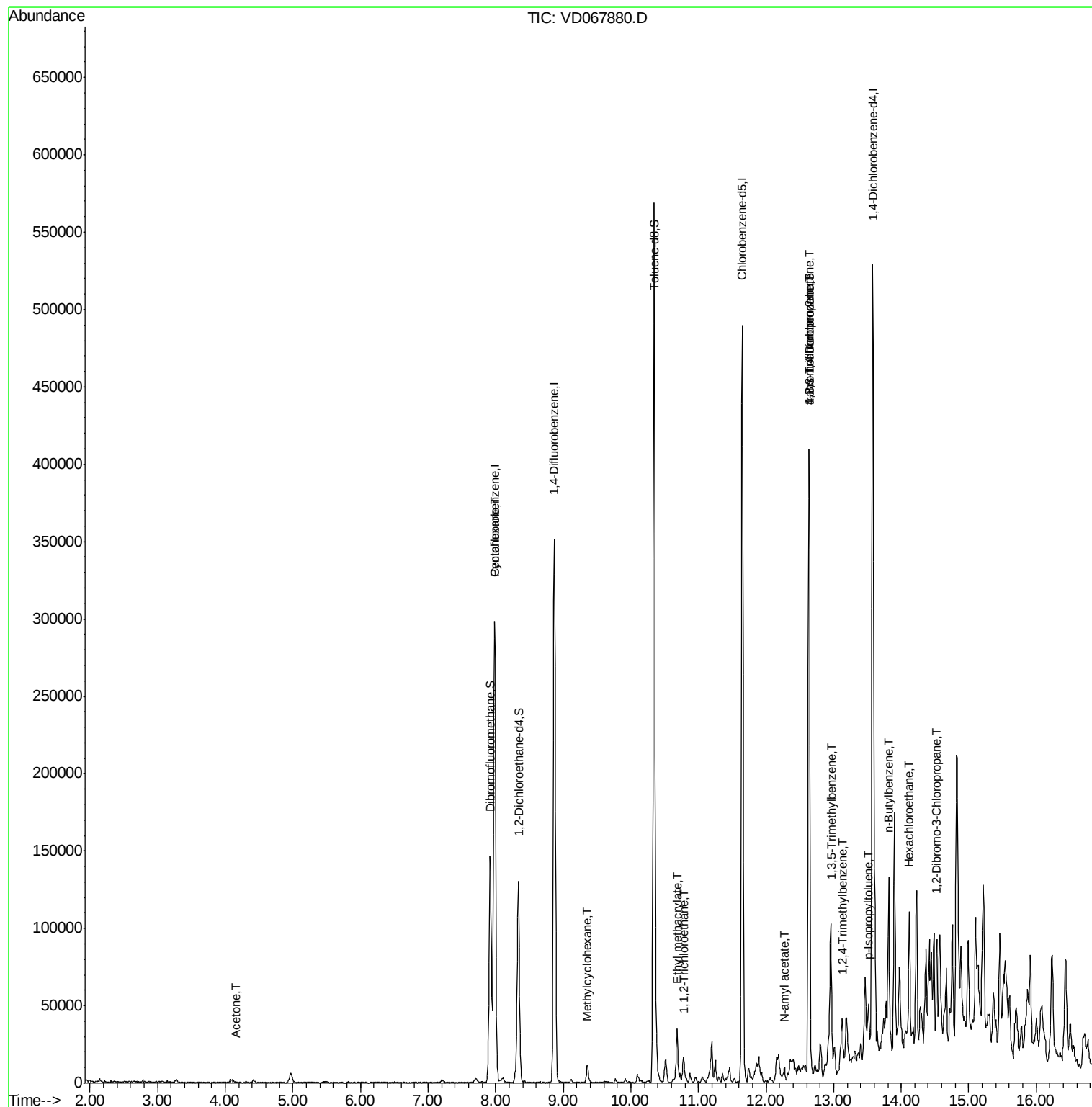
					Qvalue	
16) Acetone	4.17	43	490	1.598	ug/l #	47
20) Methylene Chloride	4.97	84	4946	Below Cal	#	73
31) Cyclohexane	7.98	56	5832	2.230	ug/l #	34
39) Methylcyclohexane	9.36	83	4691	1.415	ug/l	89
55) 1,1,2-Trichloroethane	10.78	97	7891	5.278	ug/l #	22
56) Ethyl methacrylate	10.68	69	3372	2.217	ug/l #	1
74) N-amyl acetate	12.28	43	1845	1.573	ug/l #	57
76) 1,2,3-Trichloropropane	12.64	75	71676	71.403	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.96	105	22616	2.756	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.64	75	71676	170.801	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.13	105	20549	2.518	ug/l	84
86) p-Isopropyltoluene	13.51	119	11008	1.205	ug/l	86
89) n-Butylbenzene	13.81	91	13198	1.739	ug/l #	1
90) Hexachloroethane	14.12	117	4936	2.926	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.52	75	533	2.041	ug/l #	1

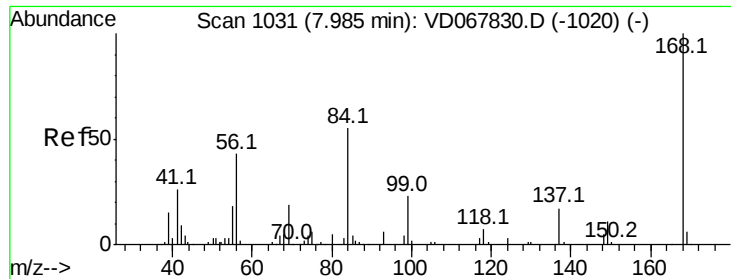
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Dec 02 08:05:58 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067880.D

Acq: 04 Dec 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

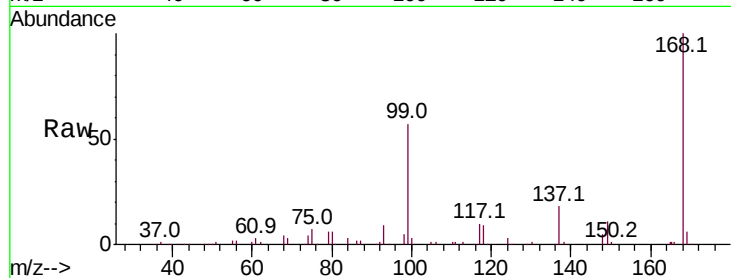
EO-02-12320

Tot Ion:168 Resp: 231219

Ion Ratio Lower Upper

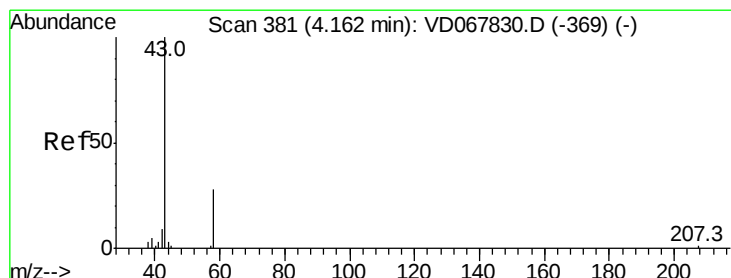
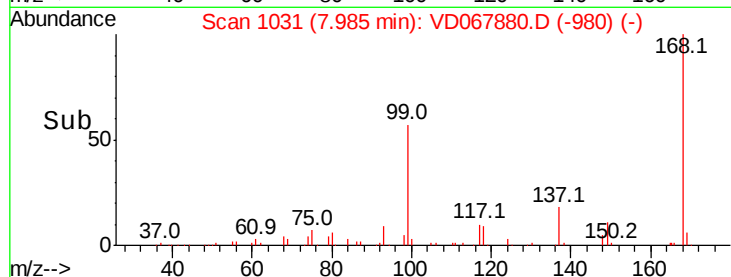
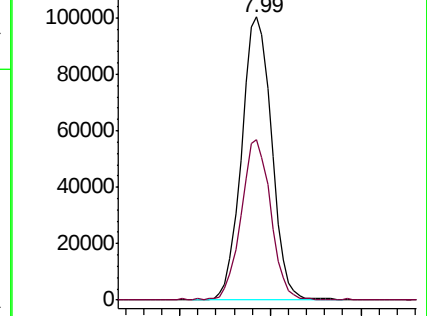
168 100

99 56.6 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 1.598 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD067880.D

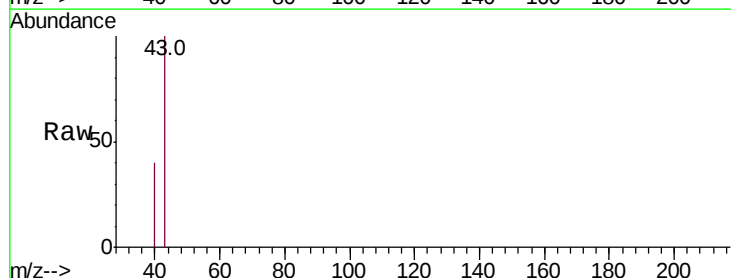
Acq: 04 Dec 2020 12:30

Tgt Ion: 43 Resp: 490

Ion Ratio Lower Upper

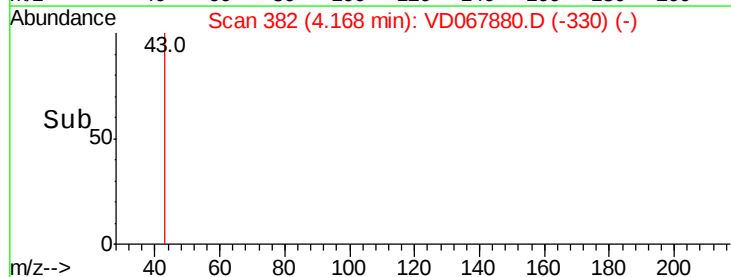
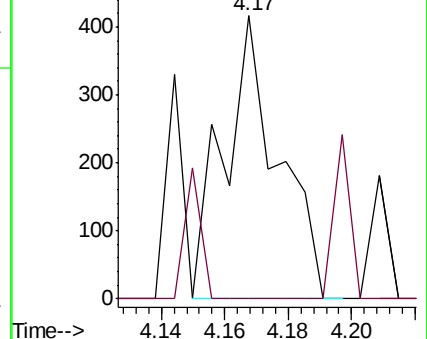
43 100

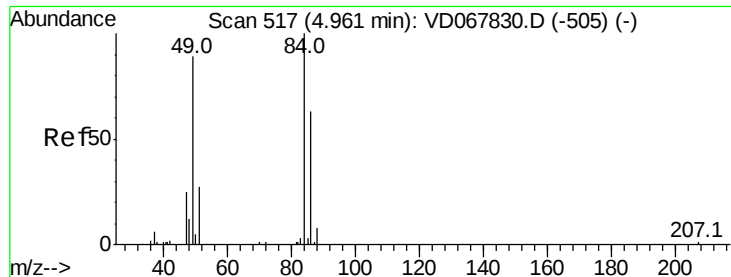
58 0.0 21.9 32.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD067880.D

Acq: 04 Dec 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

EO-02-12320

Tot Ion: 84 Resp: 4946

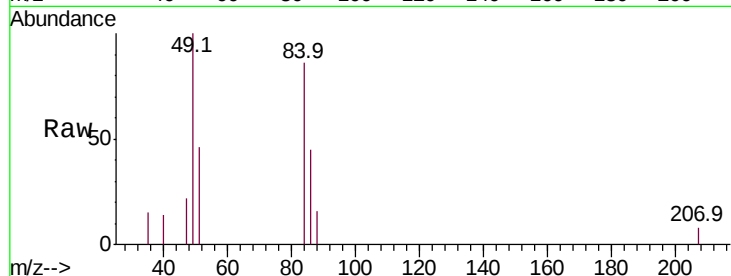
Ion Ratio Lower Upper

84 100

49 115.9 71.4 107.0#

51 52.8 21.8 32.8#

86 51.9 50.6 75.8

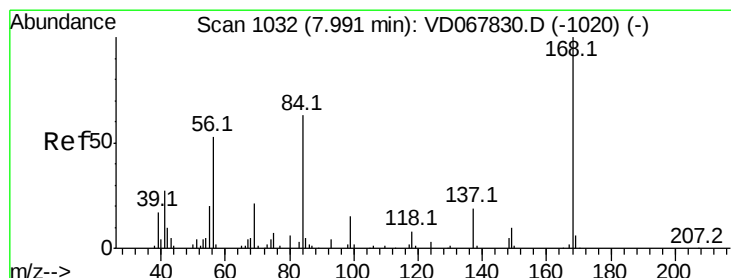
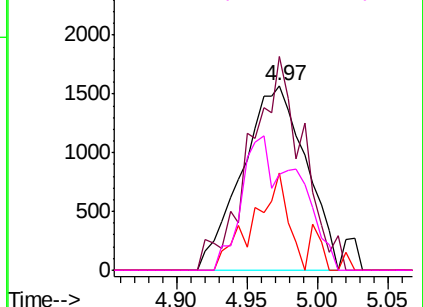
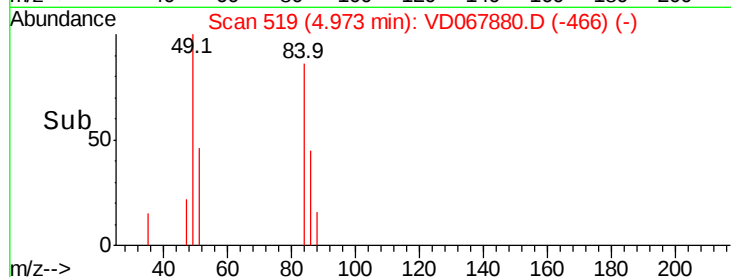


Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#31

Cyclohexane

Concen: 2.230 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067880.D

Acq: 04 Dec 2020 12:30

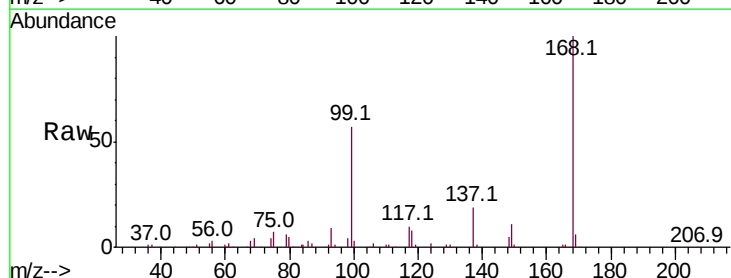
Tgt Ion: 56 Resp: 5832

Ion Ratio Lower Upper

56 100

69 123.1 32.1 48.1#

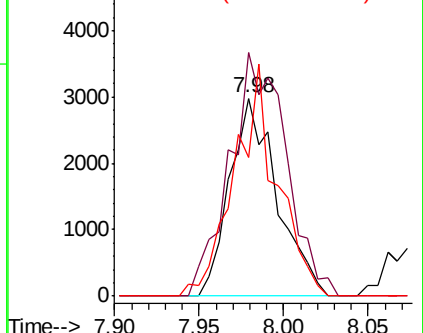
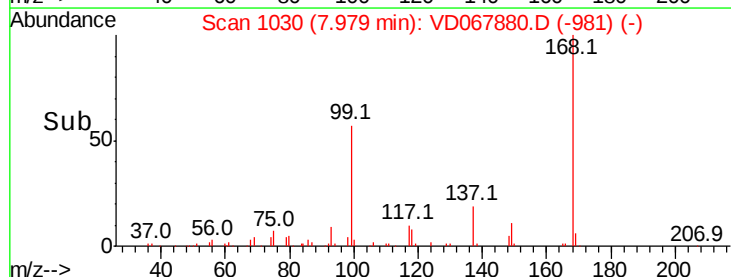
84 69.8 93.2 139.8#

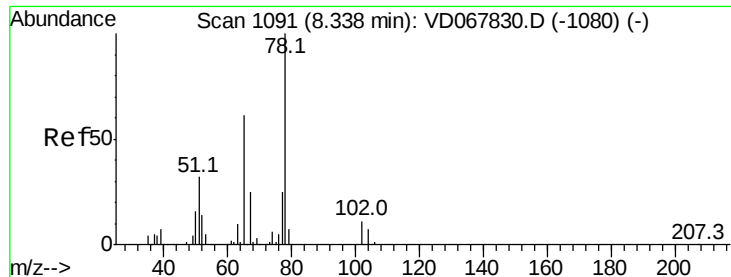


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 48.329 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD067880.D

Acq: 04 Dec 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

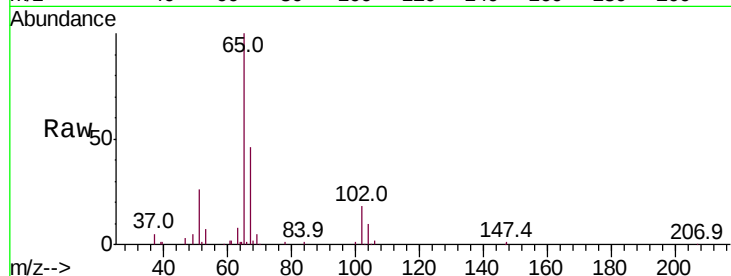
EO-02-12320

Tot Ion: 65 Resp: 119964

Ion Ratio Lower Upper

65 100

67 46.7 0.0 92.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

50000

40000

30000

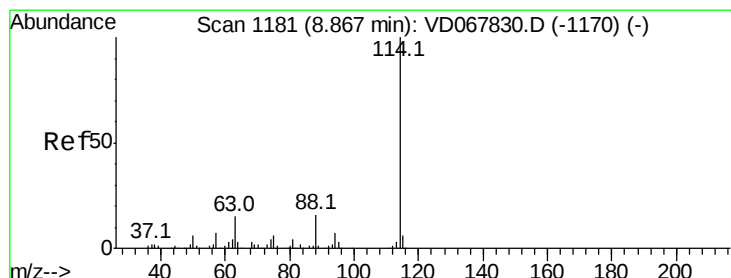
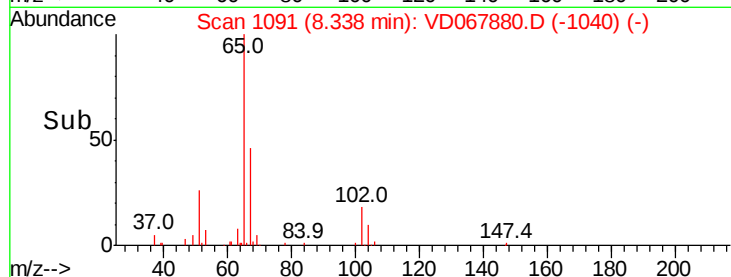
20000

10000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067880.D

Acq: 04 Dec 2020 12:30

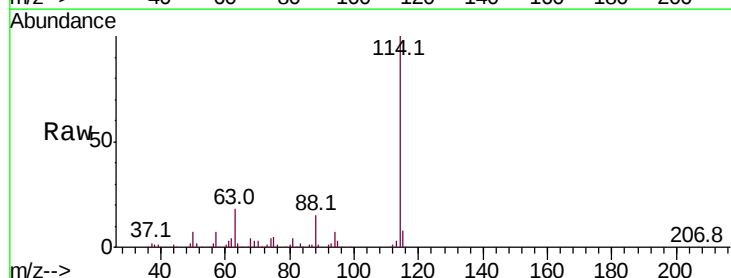
Tgt Ion:114 Resp: 323191

Ion Ratio Lower Upper

114 100

63 17.5 0.0 30.8

88 14.7 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

200000

150000

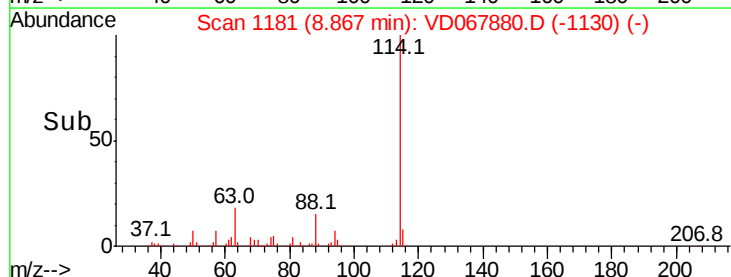
100000

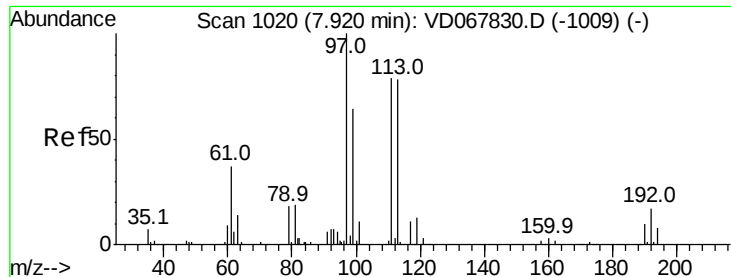
50000

0

8.80 8.90 9.00

Time-->

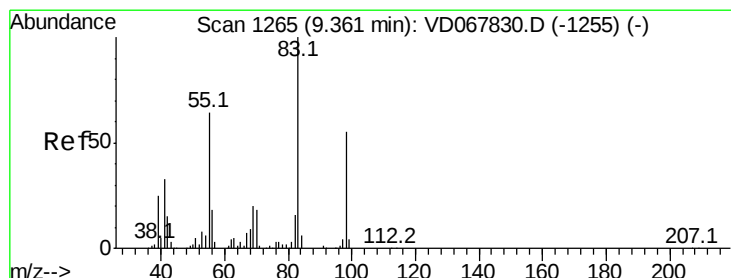
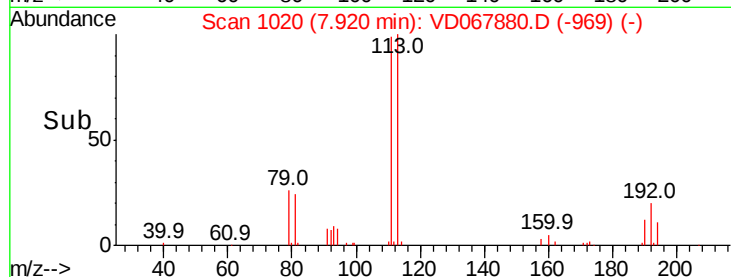
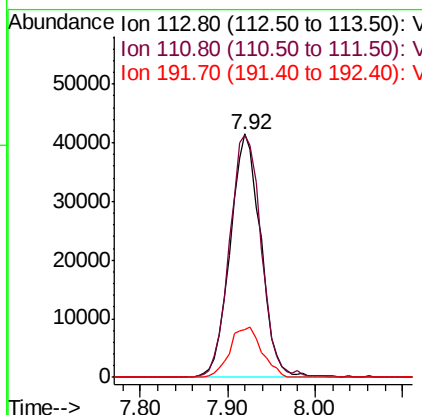
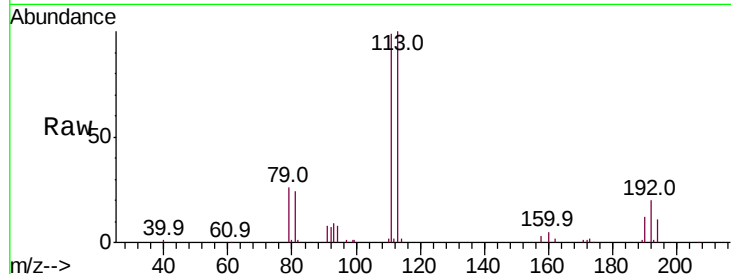




#35
Dibromofluoromethane
Concen: 45.458 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD067880.D
Acq: 04 Dec 2020 12:30

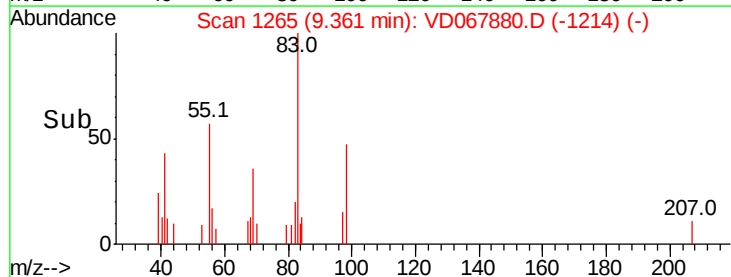
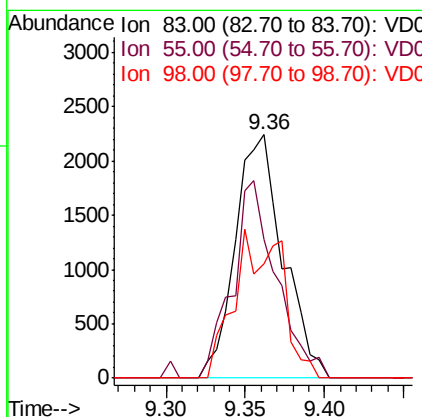
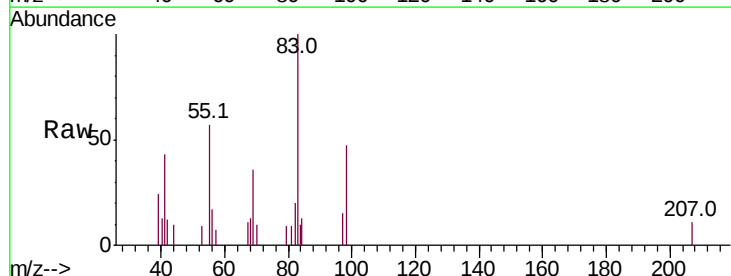
Instrument :
MSVOA_D
ClientSampleId :
EO-02-12320

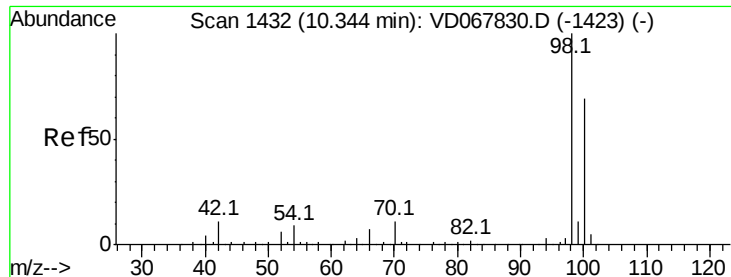
Tot Ion:113 Resp: 98308
Ion Ratio Lower Upper
113 100
111 103.0 81.2 121.8
192 21.5 16.8 25.2



#39
Methylcyclohexane
Concen: 1.415 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD067880.D
Acq: 04 Dec 2020 12:30

Tgt Ion: 83 Resp: 4691
Ion Ratio Lower Upper
83 100
55 56.8 51.6 77.4
98 46.7 44.3 66.5

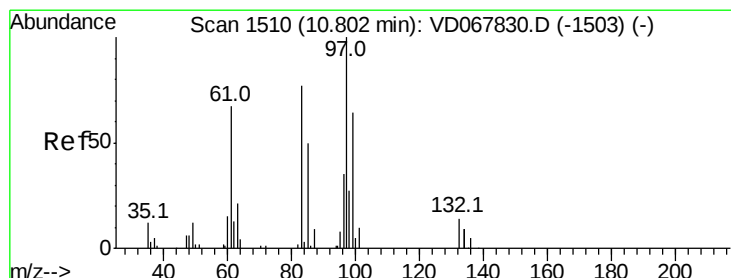
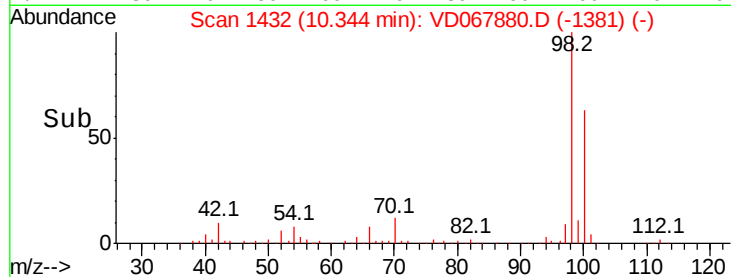
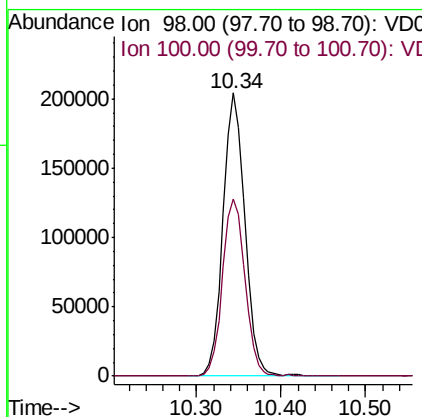
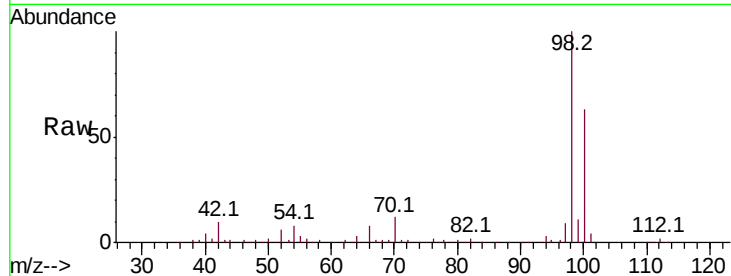




#50
Toluene-d8
Concen: 46.924 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067880.D
Acq: 04 Dec 2020 12:30

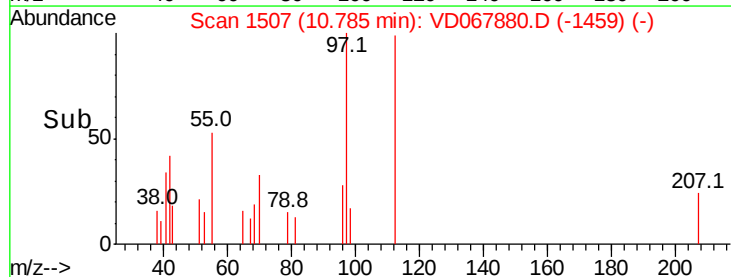
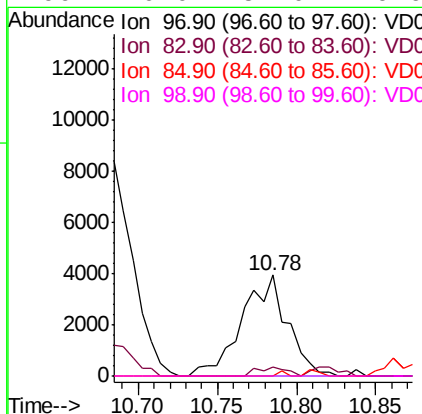
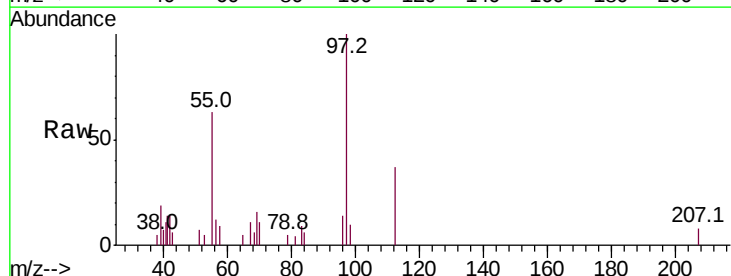
Instrument :
MSVOA_D
ClientSampleId :
EO-02-12320

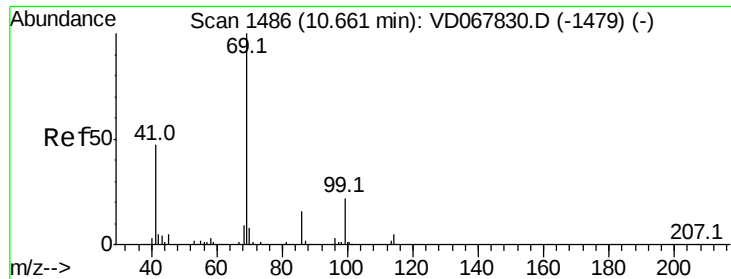
Tot Ion: 98 Resp: 365306
Ion Ratio Lower Upper
98 100
100 64.6 52.9 79.3



#55
1,1,2-Trichloroethane
Concen: 5.278 ug/l
RT: 10.78 min Scan# 1507
Delta R.T. -0.02 min
Lab File: VD067880.D
Acq: 04 Dec 2020 12:30

Tgt Ion: 97 Resp: 7891
Ion Ratio Lower Upper
97 100
83 9.4 61.9 92.9#
85 0.0 40.2 60.4#
99 0.0 51.0 76.6#





#56

Ethyl methacrylate

Concen: 2.217 ug/l

RT: 10.68 min Scan# 1490

Delta R.T. 0.02 min

Lab File: VD067880.D

Acq: 04 Dec 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

EO-02-12320

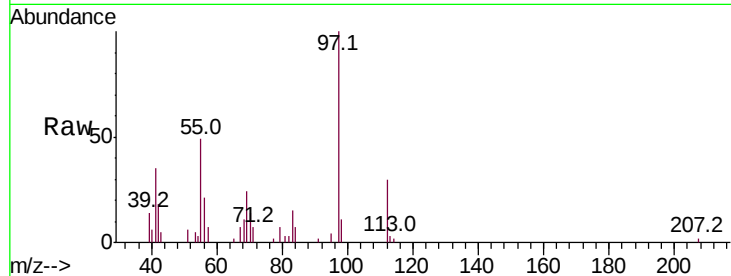
Tot Ion: 69 Resp: 3372

Ion Ratio Lower Upper

69 100

41 147.7 42.8 64.2#

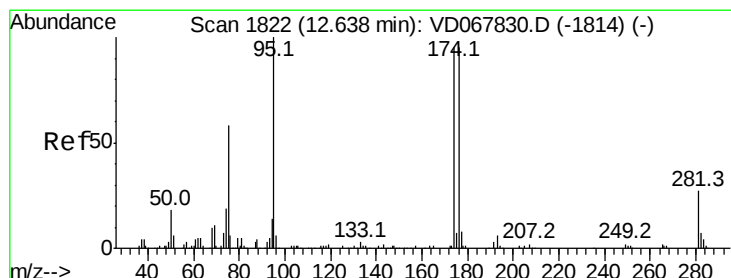
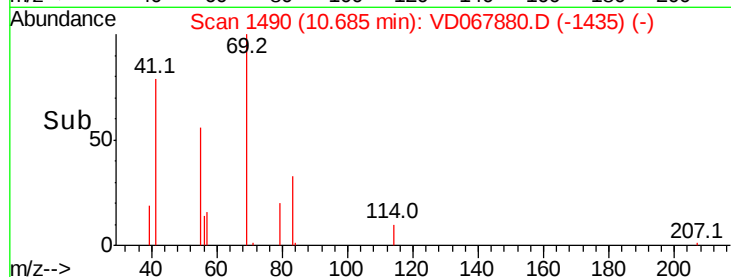
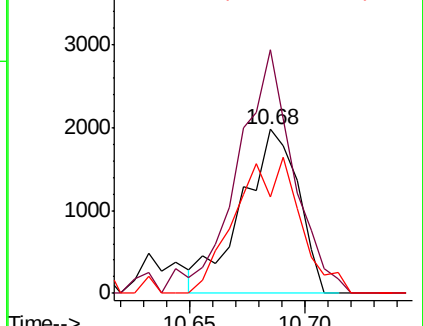
39 93.9 30.5 45.7#



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC



#62

4-Bromofluorobenzene

Concen: 45.534 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067880.D

Acq: 04 Dec 2020 12:30

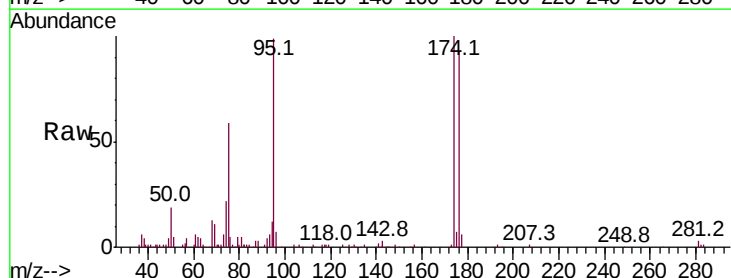
Tgt Ion: 95 Resp: 122554

Ion Ratio Lower Upper

95 100

174 96.2 0.0 186.0

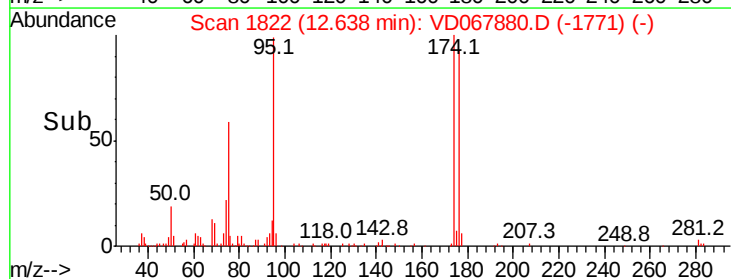
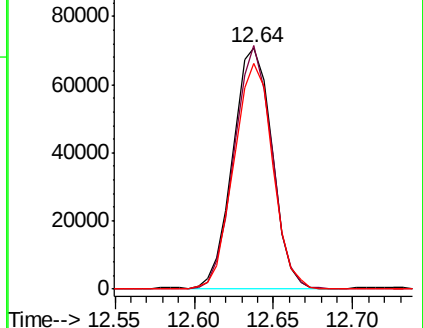
176 92.0 0.0 184.2

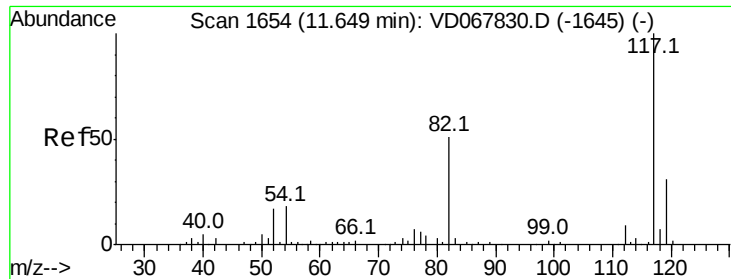


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

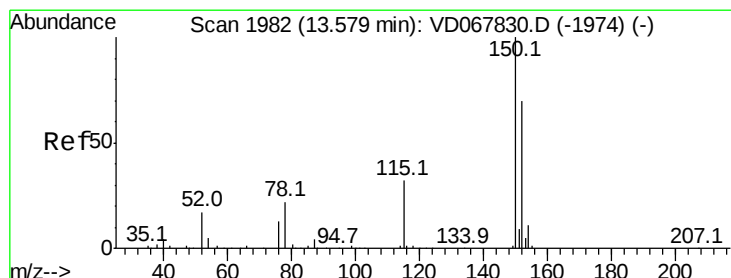
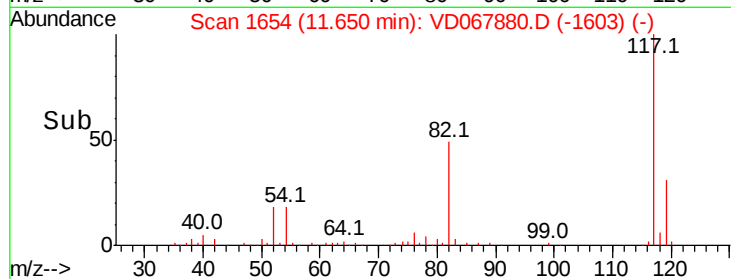
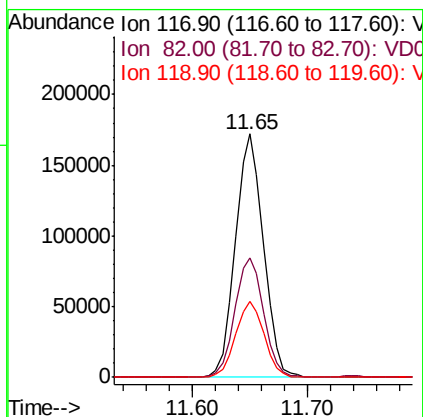
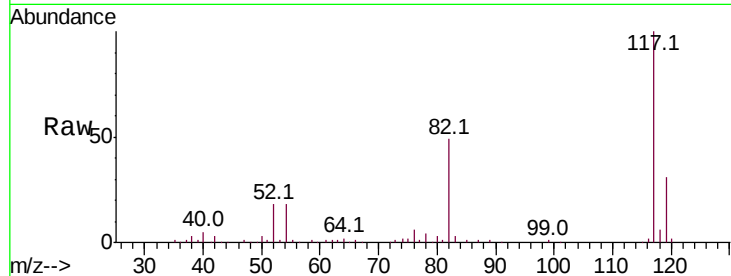




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067880.D
Acq: 04 Dec 2020 12:30

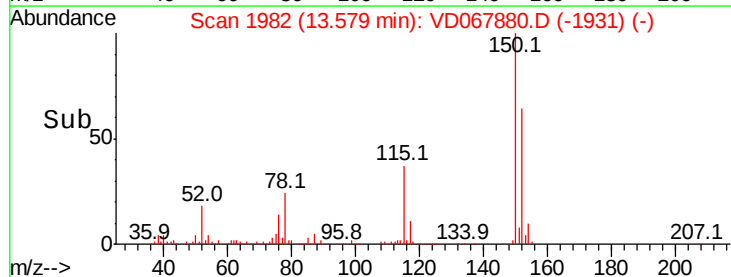
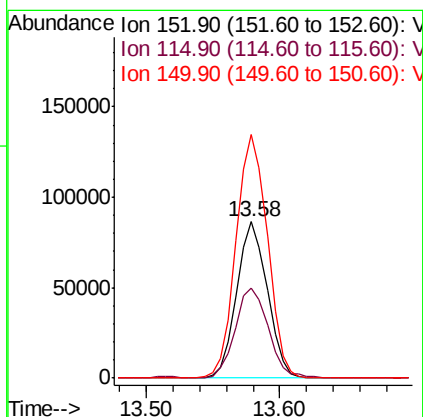
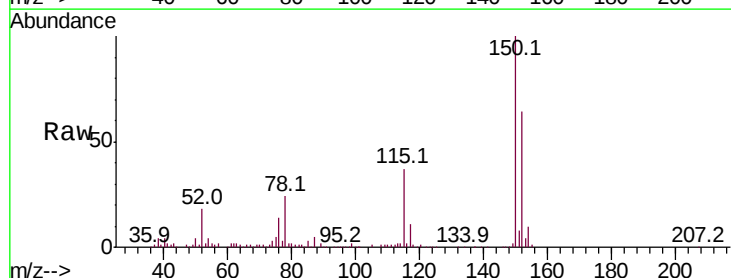
Instrument :
MSVOA_D
ClientSampleId :
EO-02-12320

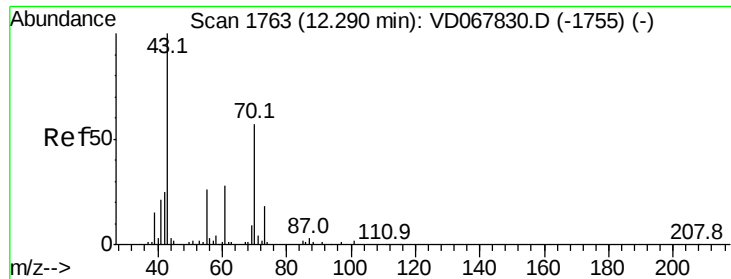
Tot Ion:117 Resp: 289475
Ion Ratio Lower Upper
117 100
82 49.2 40.6 60.8
119 31.4 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067880.D
Acq: 04 Dec 2020 12:30

Tgt Ion:152 Resp: 137845
Ion Ratio Lower Upper
152 100
115 62.6 29.1 87.4
150 159.0 0.0 339.0

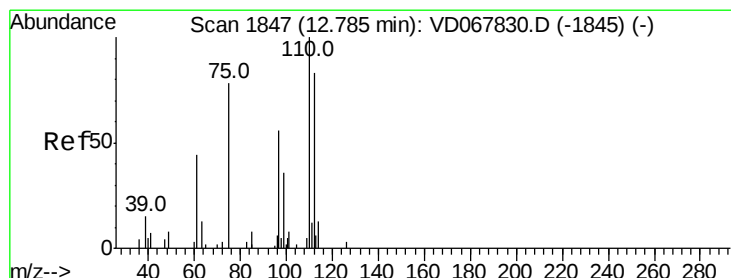
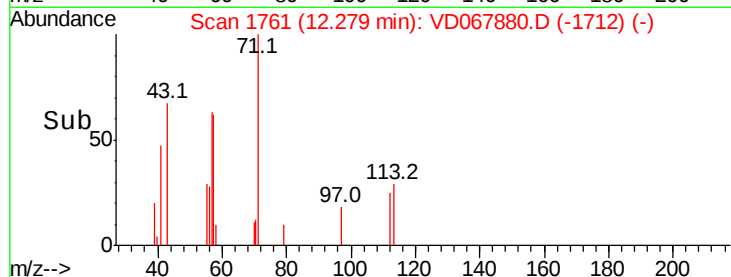
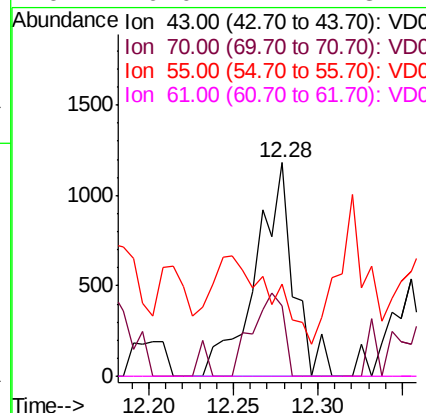
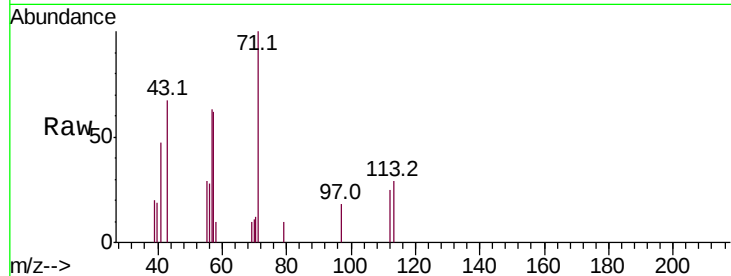




#74
N-amvl acetate
Concen: 1.573 ug/l
RT: 12.28 min Scan# 1761
Delta R.T. -0.01 min
Lab File: VD067880.D
Acq: 04 Dec 2020 12:30

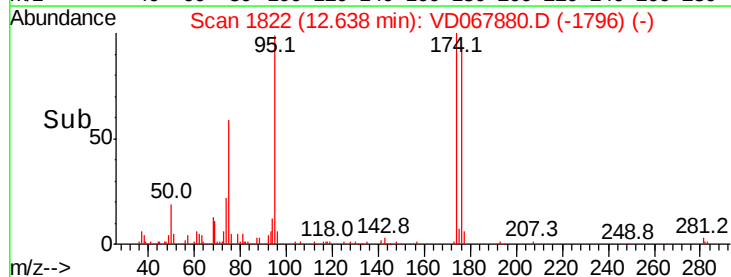
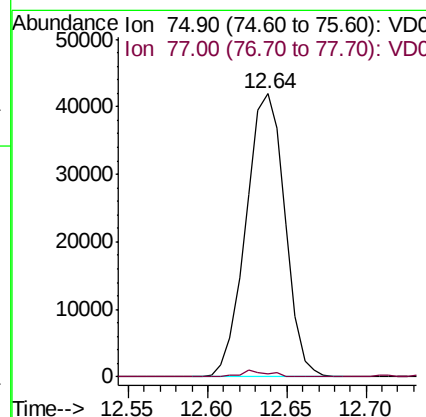
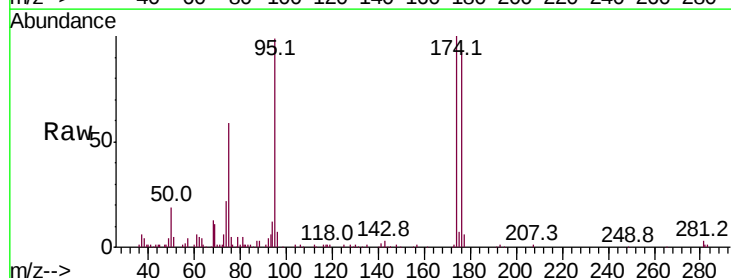
Instrument :
MSVOA_D
ClientSampleId :
EO-02-12320

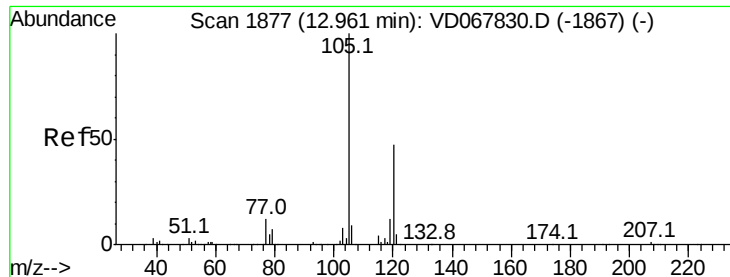
Tot Ion: 43 Resp: 1845
Ion Ratio Lower Upper
43 100
70 32.6 44.6 66.8#
55 0.0 22.2 33.2#
61 0.0 22.7 34.1#



#76
1,2,3-Trichloropropane
Concen: 71.403 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD067880.D
Acq: 04 Dec 2020 12:30

Tgt Ion: 75 Resp: 71676
Ion Ratio Lower Upper
75 100
77 1.6 175.9 527.7#

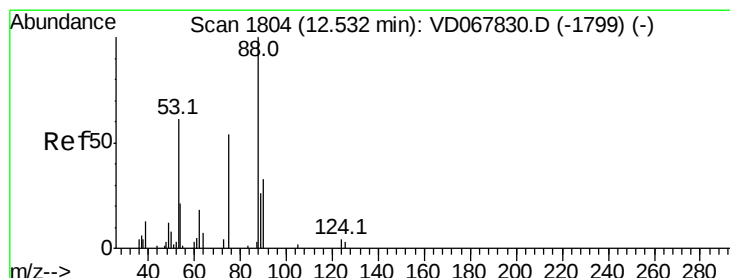
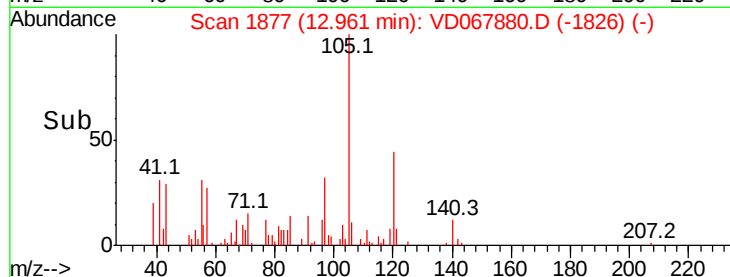
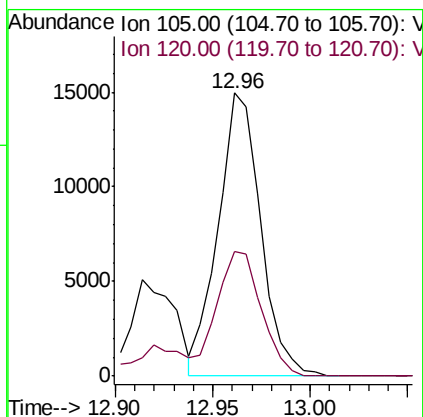
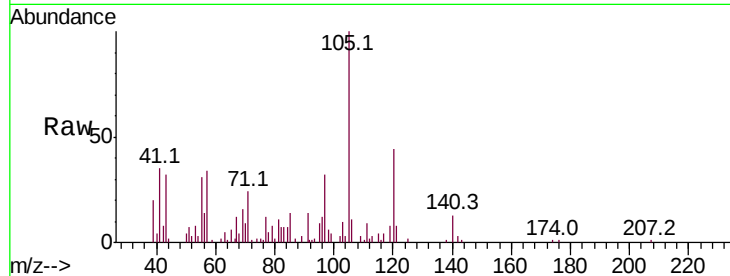




#80
 1,3,5-Trimethylbenzene
 Concen: 2.756 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD067880.D
 Acq: 04 Dec 2020 12:30

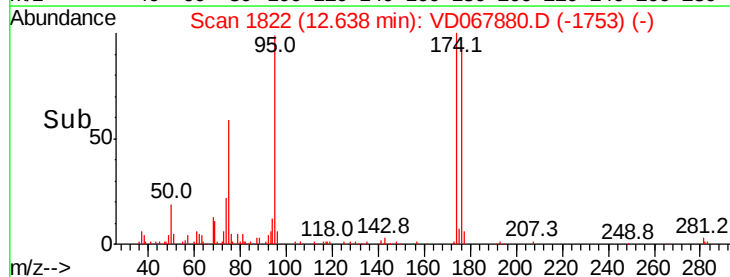
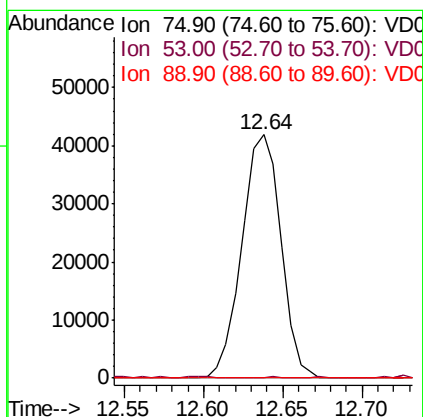
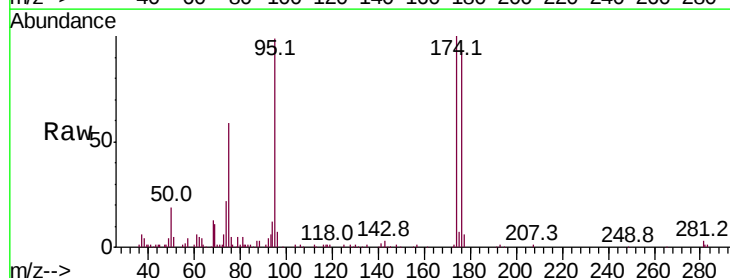
Instrument :
 MSVOA_D
 ClientSampleId :
 EO-02-12320

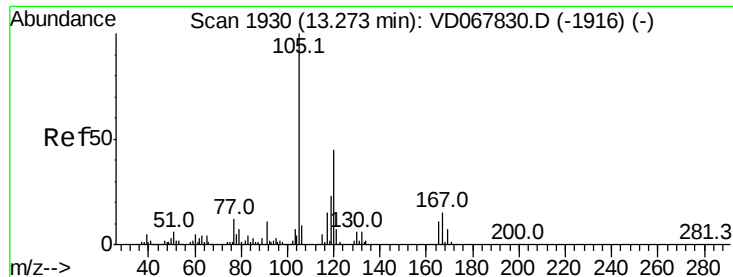
Tot Ion:105 Resp: 22616
 Ion Ratio Lower Upper
 105 100
 120 46.3 24.3 72.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 170.801 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067880.D
 Acq: 04 Dec 2020 12:30

Tgt Ion: 75 Resp: 71676
 Ion Ratio Lower Upper
 75 100
 53 0.1 84.6 127.0#
 89 0.0 41.0 61.6#

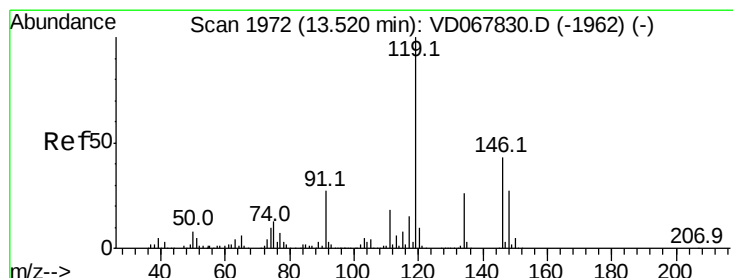
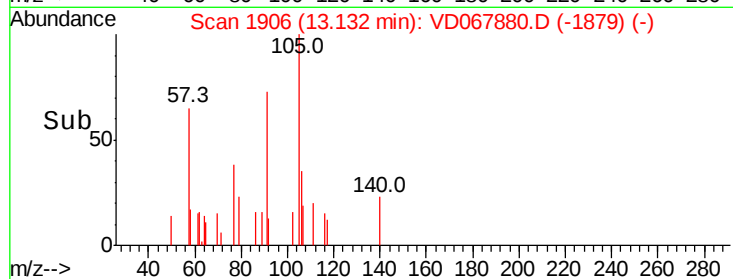
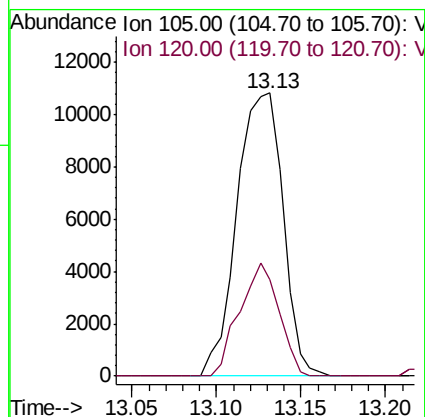
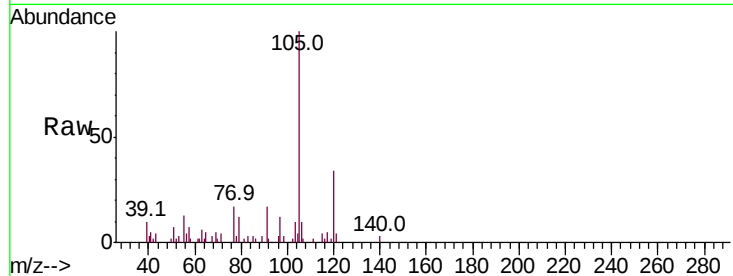




#84
 1,2,4-Trimethylbenzene
 Concen: 2.518 ug/l
 RT: 13.13 min Scan# 1906
 Delta R.T. -0.14 min
 Lab File: VD067880.D
 Acq: 04 Dec 2020 12:30

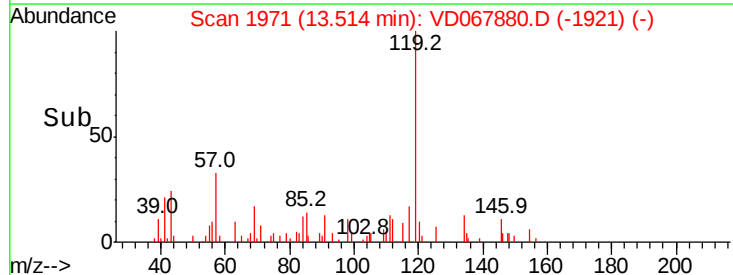
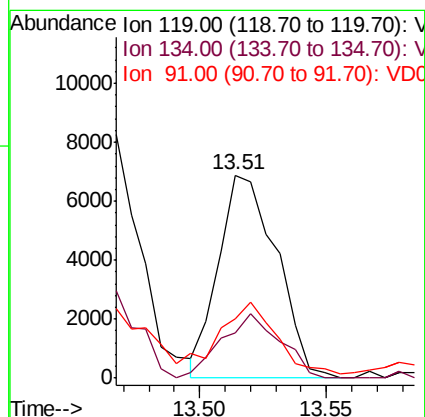
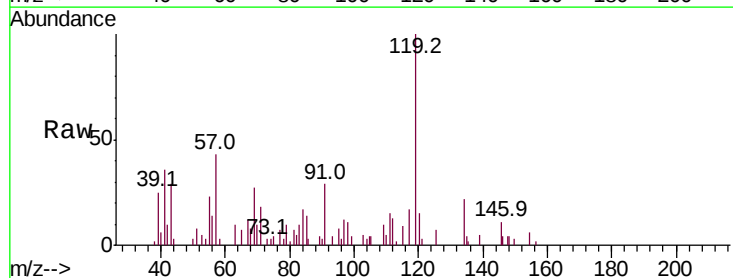
Instrument :
 MSVOA_D
 ClientSampleId :
 EO-02-12320

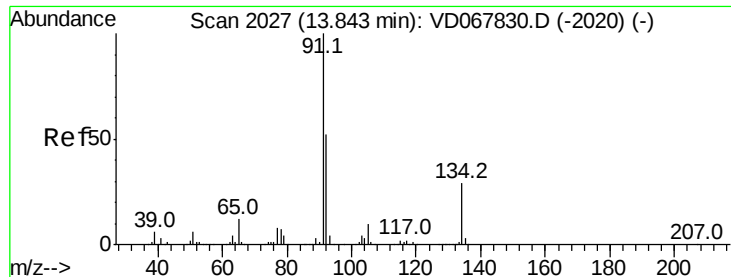
Tot Ion:105 Resp: 20549
 Ion Ratio Lower Upper
 105 100
 120 34.2 22.1 66.5



#86
 p-Isopropyltoluene
 Concen: 1.205 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.01 min
 Lab File: VD067880.D
 Acq: 04 Dec 2020 12:30

Tgt Ion:119 Resp: 11008
 Ion Ratio Lower Upper
 119 100
 134 32.0 13.1 39.3
 91 34.0 12.8 38.3

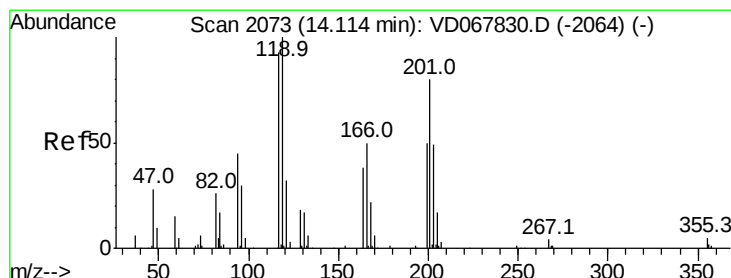
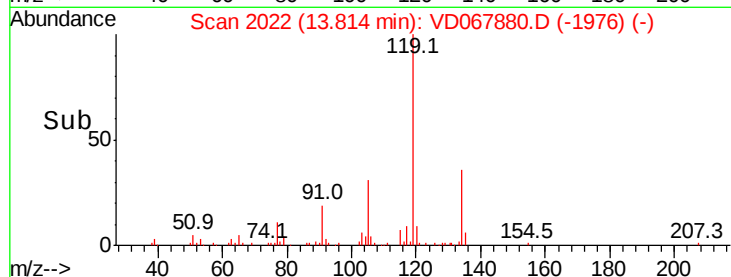
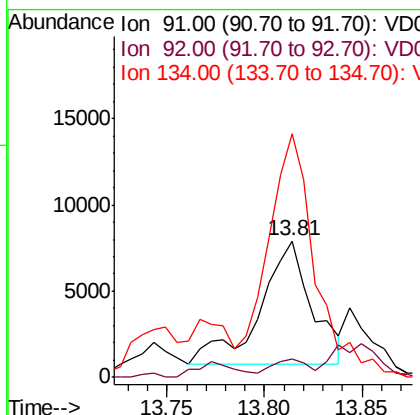
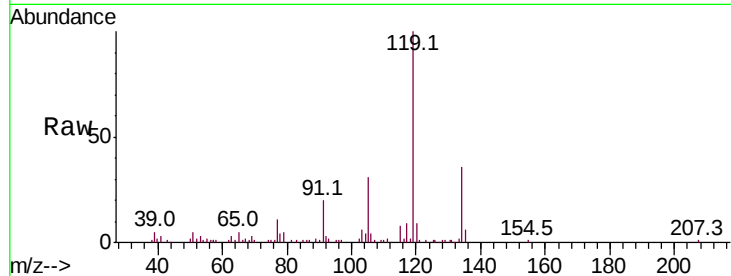




#89
n-Butylbenzene
Concen: 1.739 ug/l
RT: 13.81 min Scan# 2022
Delta R.T. -0.03 min
Lab File: VD067880.D
Acq: 04 Dec 2020 12:30

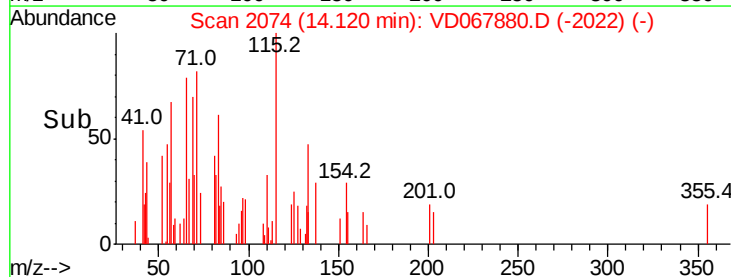
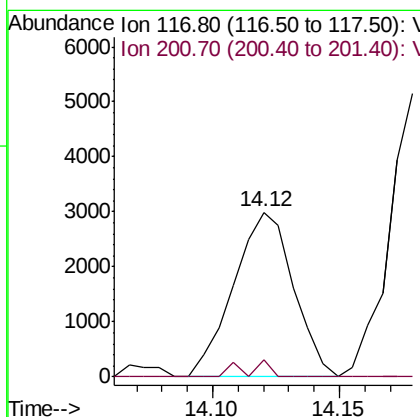
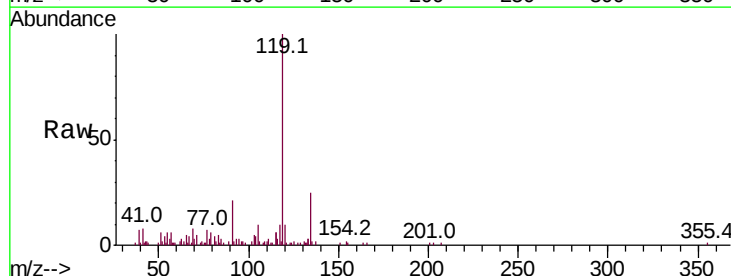
Instrument :
MSVOA_D
ClientSampleId :
EO-02-12320

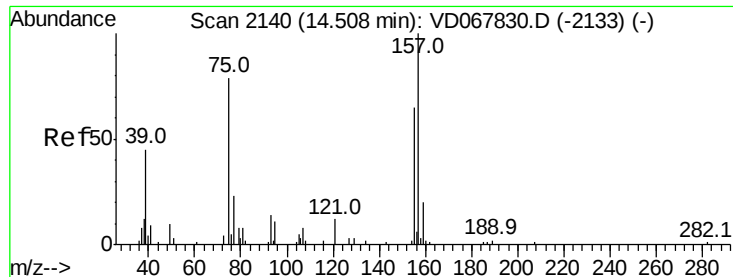
Tot Ion: 91 Resp: 13198
Ion Ratio Lower Upper
91 100
92 10.1 26.3 78.8#
134 182.0 14.8 44.3#



#90
Hexachloroethane
Concen: 2.926 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067880.D
Acq: 04 Dec 2020 12:30

Tgt Ion: 117 Resp: 4936
Ion Ratio Lower Upper
117 100
201 1.9 43.9 131.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.041 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.01 min

Lab File: VD067880.D

Acq: 04 Dec 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

EO-02-12320

Tot Ion: 75 Resp: 533

Ion Ratio Lower Upper

75 100

155 0.0 44.1 132.4#

157 0.0 62.4 187.2#

